




MANUFACTURE OF SOLAR CELL

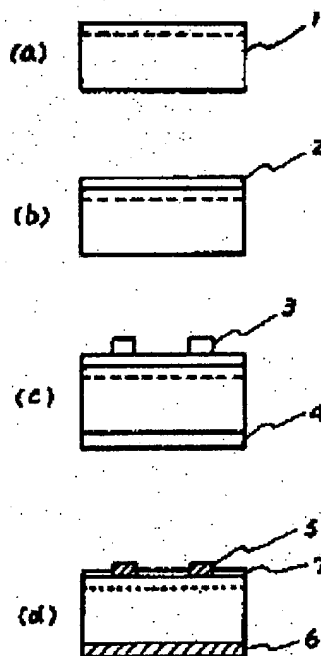
Patent number: JP60140880
Publication date: 1985-07-25
Inventor: OKUNAKA MASAOKI; NAKATANI MITSUO;
 MATSUYAMA HARUHIKO; YOKONO ATARU; ISOGAI
 TOKIO; SAITOU TADASHI; MATSUKUMA KUNIHIO;
 MIDORIKAWA SUMIYUKI; SUZUKI SATORU
Applicant: HITACHI LTD
Classification:
 - international: H01L21/28; H01L31/04
 - european: C07F7/00B2; H01L31/0216B3B; H01L31/0224B2;
 H01L31/18C
Application number: JP19830246949 19831228
Priority number(s): JP19830246949 19831228

Also published as:

 US4643913 (A1)
 FR2557731 (A1)
 DE3447635 (A1)

Abstract not available for JP60140880
 Abstract of corresponding document: **US4643913**

A process for producing solar cells which comprises applying a composition for anti-reflection coating formation on one side of a silicon base plate having a p-n junction therein, printing an Ag paste for contact formation on predetermined areas of the coat, and heat-treating the resulting plate at a temperature of 400 DEG to 900 DEG C. to complete anti-reflection coating and a light-receiving side contact, the process being characterized in that the composition for anti-reflection coating formation contains as essential component, (a) at least one member selected from the metal-organic ligand complex compounds represented by the general formula $M(OR)_n(L)_a$ wherein M is a metal selected from Zn, Al, Ga, In, Ti, Zr, Sn, V, Nb, Ta, Mo, and W; R1 is a C1-C18 alkyl group; L is an organic ligand which forms a non-hydrolyzable bond with the metal ion; a is the valency of the metal M; and n is an integer satisfying $1 \leq n \leq a$, and hydrolytic condensation products thereof represented by the general formula $(OR)_n-1M(L)_a-n-O-M(OR)_n-1(L)_a-n$, (b) an organotin compound, and (c) a solvent.



Data supplied from the esp@cenet database - Worldwide